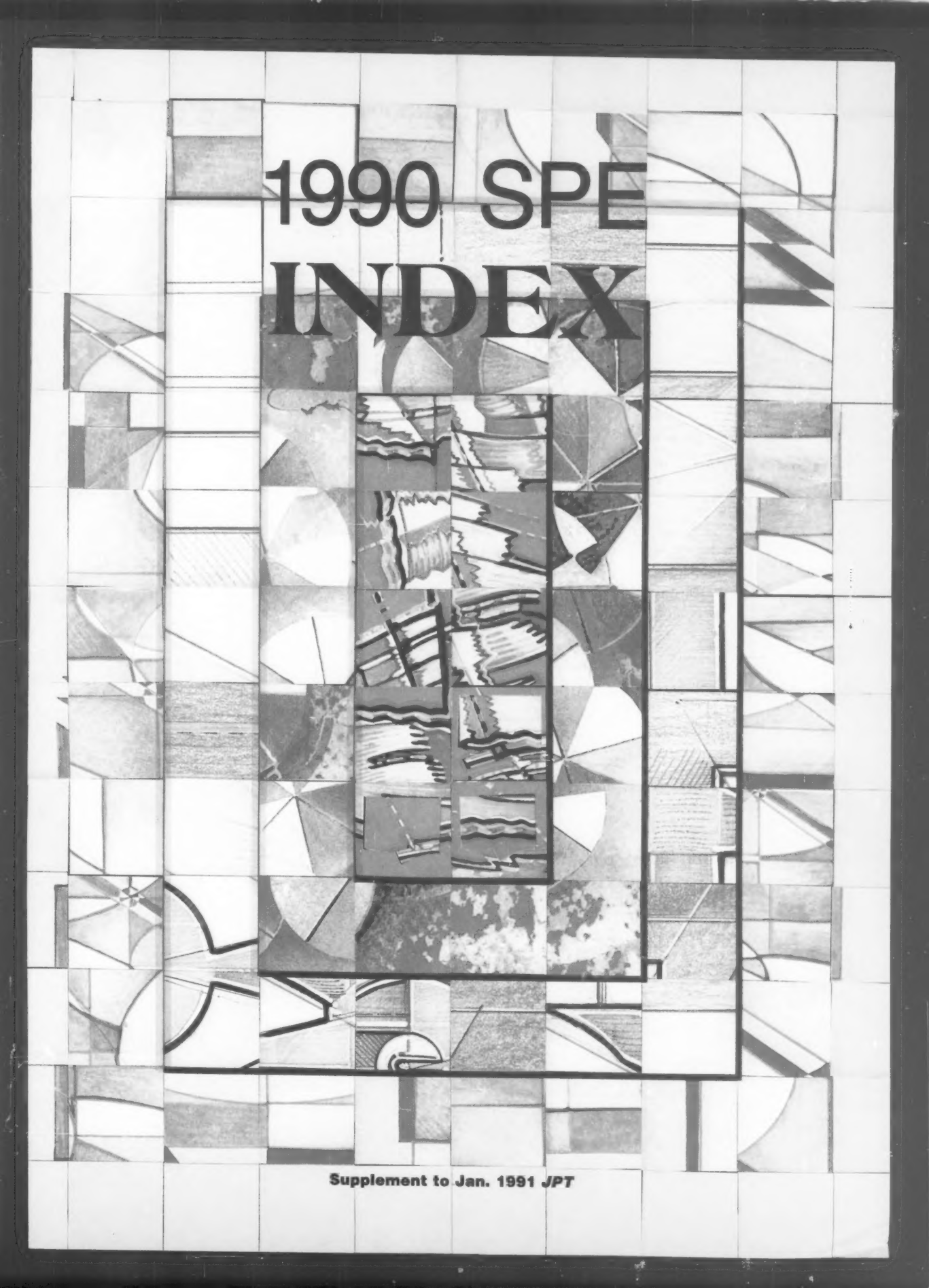

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Supplement to Jan. 1991 *JPT*

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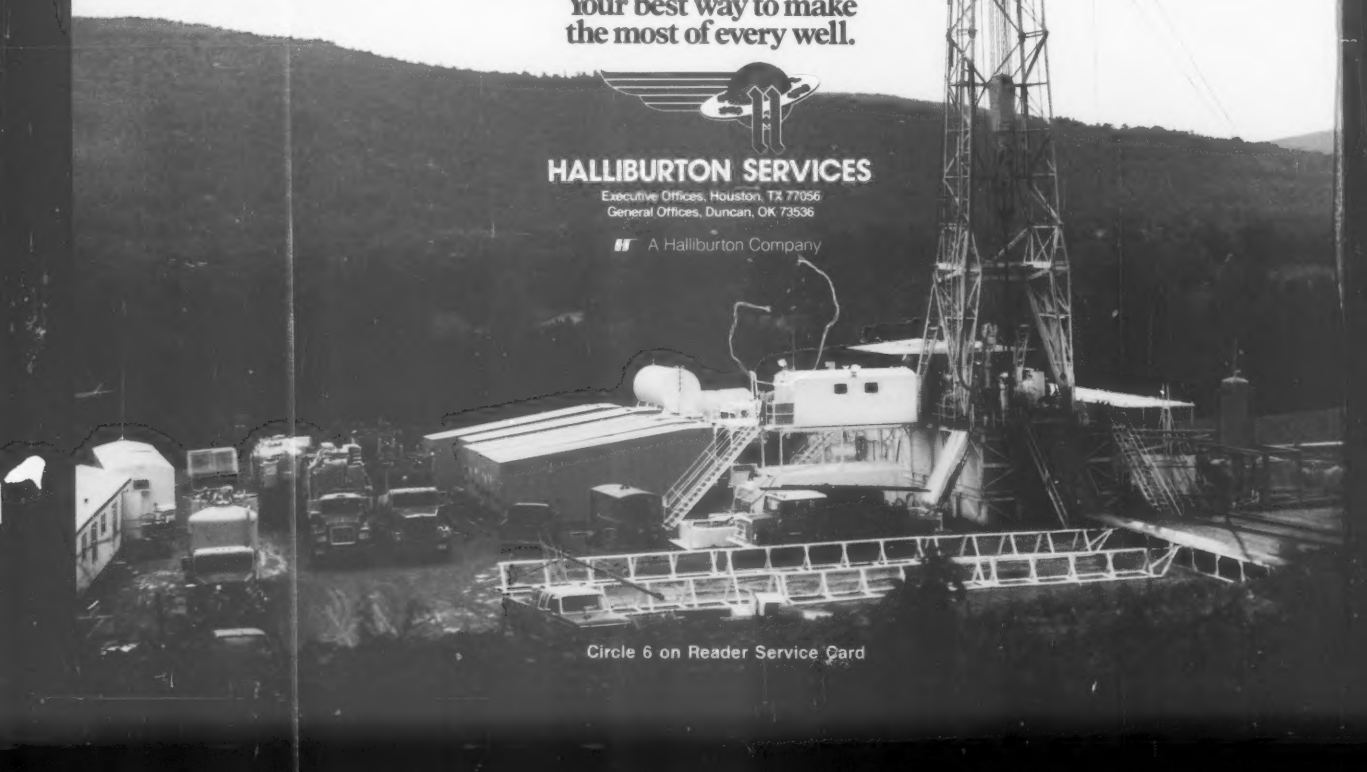

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Foreword

This **1990 SPE Index** includes references to papers published during the year in the five SPE technical journals (*Journal of Petroleum Technology, SPE Drilling Engineering, SPE Formation Evaluation, SPE Production Engineering,* and *SPE Reservoir Engineering*), to papers presented at 1990 SPE-sponsored meetings, and to papers submitted for journal review during the year. The reader can use this comprehensive index as a valuable guide to all papers introduced in 1990.

As in the past, index entries for journal-published papers include the journal and issue date. Papers also included in the 1990 *Transactions* carry the additional designation **Transaction.** You can identify the provenance of nonjournal papers—meeting papers and unsolicited manuscripts—from the key that appears at the beginning of the index.

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Key to 1990 Unpublished Papers

The following codes appear in the indices to identify the source of unpublished papers presented at SPE-sponsored meetings or received for possible publication during 1990.

ADPC—Abu Dhabi Petroleum Conference, May 14–16, Abu Dhabi
CIM—Petroleum Soc. of CIM/SPE Intl. Technical Meeting, June 10–13, Calgary
CRM—California Regional Meeting, April 4–6, Ventura
DC—IADC/SPE Drilling Conference, Feb. 27–March 2, Houston
EOR—SPE/DOE Enhanced Oil Recovery Symposium, April 22–25, Tulsa
ERM—Eastern Regional Meeting, Oct. 31–Nov. 2, Columbus, OH
EUR—European Petroleum Conference, Oct. 21–24, The Hague
FALL—Annual Technical Conference and Exhibition, Sept. 23–26, New Orleans
FD—Formation Damage Control Symposium, Feb. 22–23, Lafayette, LA
LAP—Latin American Petroleum Engineering Conference, Oct. 14–19, Rio de Janeiro
OGR—Permian Basin Oil and Gas Recovery Symposium, March 8–9, Midland, TX
PCC—Petroleum Computer Conference, June 25–28, Houston
USMS—Unsolicited manuscript received for review by the SPE Editorial Review Committee

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Clifford, P.J. *et al.*: *Modeling the Vertical Confinement of Injection Well Thermal Fractures,* (Tech. Paper SPE 20741) FALL

Close, D.A. *et al.*: *Application of 'ADAMS' (Advanced Drillstring Analysis and Measurement System) and Improved Drilling Performance,* (Tech. Paper SPE 19998) DC

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Coats, K.H. *et al.*: *A Superposition Method for Representing Wellbore Crossflow in Reservoir Simulation,* (Tech. Paper SPE 20746) FALL

Coble, L.E. *et al.*: *A Complete Set of Laplace Transforms for Finite-Conductivity Vertical Fractures Under Bilinear and Trilinear Flows,* (Tech. Paper SPE 20556) FALL

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Coles, M.E. and Gilliland, R.E.: *Use of CT Scanning in the Investigation of Damage to Unconsolidated Cores,* (Tech. Paper SPE 19408) FD

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Collart, David *et al.*: *Use of the Low Volume Flowmeter in Devonian Shale Wells of the Appalachian Basin,* (Tech. Paper SPE 21274) ERM

Collins, Keith *et al.*: *Borehole Stability Analysis for the Design of First Horizontal Well Drilled in the U.K.'s Southern 'V' Fields,* (Tech. Paper SPE 20408) FALL

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Conway, M. and Underdown, D.R.: *Minimize Formation Damage by Rapid/Inexpensive Method of Completion and Stimulation Fluid Selection,* (Tech. Paper SPE 19432) FD

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Copoulos, A.E. *et al.*: *A Channel Detection Technique Using the Pulsed Neutron Log,* (Tech. Paper SPE 20042) CRM

Corapcioglu, M.Y. and Abboud, N.M.: *Cake Filtration With Particle Penetration at the Cake Surface,* (Tech. Paper SPE 19021) *SPERE* Aug. 90, 317–326

Cormier, K.W.: *Effective Design of Insulated Tubing for a Sour Environment,* (Tech. Paper SPE 17103) *SPEPE* Aug. 90, 221–224

Corre, Bernard: *Characterization of Fracture Networks From Well Tests Using a New Analytical Solution,* (Tech. Paper SPE 20533) FALL

Correa, A.C. *et al.*: *Computation and Interpretation of Miscible Displacement Performance in Heterogeneous Porous Media,* (Tech. Paper SPE 16704) *SPERE* Feb. 90, 69–78

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Cosenza, G. *et al.*: *A Knowledge-Based Approach To Matrix Stimulation,* (Tech. Paper SPE 20966) EUR

Costain, T.G. *et al.*: *Methodology for the Specification of Solvent Blends for Miscible Enriched-Gas Drives,* (Tech. Paper SPE 20205) EOR

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Cowan, W.S.: *Independent Load Support in 18 3/4-in., 15,000-psi Subsea Wellhead,* (Tech. Paper SPE 21116) LAP

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Creel, P. *et al.*: *Computer Simulation Improves Cement Squeeze Jobs,* (Tech. Paper SPE 21595) CIM

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Criaud, Annie *et al.*: *Geochemical Monitoring of Drilling Fluids: A Powerful Tool To Forecast and Detect Formation Waters,* (Tech. Paper SPE 18734) *SPEFE* June 90, 177–184

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Crow, R.W.: *Electronic Controller for the Optimization of Plunger Lift Wells,* (Tech. Paper SPE 21290) ERM

Crowe, C.W. *et al.*: *Investigation of Retarded Acids Provides Better Understanding of Their Effectiveness and Potential Benefits,* (Tech. Paper SPE 18222) *SPEPE* May 90, 166–170

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Cruz-Hernandez, Juana *et al.*: *Miscible Displacement in Fractured Porous Media,* (Tech. Paper SPE 20798) USMS

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Currie, I.D. and Jensen, J.L.: *A New Method for Estimating the Dykstra-Parsons Coefficient To Characterize Reservoir Heterogeneity,* (Tech. Paper SPE 17364) *SPERE* Aug. 90, 369–374

Currier, B.H.: *Lisburne Reservoir Limited-Drainage Test: A Pilot Test Case History,* (Tech. Paper SPE 18277) *SPEFE* Dec. 90, 337–343

Currier, J.H. and Sindelar, S.T.: *Performance Analysis in an Immature Waterflood: The Kuparuk River Field,* (Tech. Paper SPE 20775) FALL

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Da Costa, D.F.O. *et al.*: *The Evolution of Deep-Water Drilling in Brazil,* (Tech. Paper SPE 21158) LAP

Da Fontoura, S.A.B. and dos Santos, H.M.R.: *Modeling of the Collapse of Unconsolidated Rock Formations During Production,* (Tech. Paper SPE 21092) LAP

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Da Sie, W.J. and Guo, D.S.: *Assessment of a Vertical Hydrocarbon Miscible Flood in the Westpem Nisku D Reef,* (**Transaction** SPE 17354) *SPERE* May 90, 147–154

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Dalrymple, E.D. *et al.*: *Field Evaluation of New Treating Technique To Recover Permeability Damaged by Polymeric Materials,* (Tech. Paper SPE 20117) OGR

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Danesh, Ali *et al.*: *An Evaluation of Cubic Equations of State for Phase Behavior Calculations Near Miscibility Conditions,* (Tech. Paper SPE 20267) EOR

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Darling, T.J. and de Lange, J.I.: *Improved Detectability of Blowing Wells,* (Tech. Paper SPE 17255) *SPEDE* March 90, 34–38

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David, A. *et al.*: *Case Study of Financial and Technical Strategies Used by Two Large Independent Oil Companies,* (Tech. Paper SPE 20509) FALL

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Davidson, Andrew *et al.*: *The Response of the Electromagnetic Propagation Tool to Bed Boundaries,* (Tech. Paper SPE 16768) *SPEFE* Dec. 90, 458–464

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Davis, R.M. *et al.*: *CT Scan Monitored Electrical Resistivity Measurements Show Problems Achieving Homogeneous Saturation,* (Tech. Paper SPE 21433) MEOS

Dawe, R.A. and Armitage, Paul: *The Development of a Probabilistic Physical Model for Foam Generation by Snap-Off in Regular Square Grid Network Models,* (Tech. Paper SPE 20217) EOR

Dawes, Alan: *The Installation, Commissioning, and Operation of Subsea Emergency Shutdown Valves in the Tartan Field,* (Tech. Paper SPE 20907) EUR

Day, J.B. *et al.*: *New Makeup Method for API Connections,* (Tech. Paper SPE 18697) *SPEDE* Sept. 90, 233–238

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De Andrade Bruni, I.M.R. *et al.*: *Identification of Asphaltene Deposition in Camorim Field Northeastern Brazil,* (Tech. Paper SPE 21102) LAP

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De Merville, Eric *et al.*: *Multiphase Pipeline: A Solution to Cost Savings in Offshore Production,* (Tech. Paper SPE 21100) LAP

De Moegen, Henri *et al.*: *Experimental Micromodeling and Numerical Simulation of Gas/Water Injection/Withdrawal Cycles as Applied to Underground Gas Storage Reservoir,* (Tech. Paper SPE 20765) FALL

De Oliveira, C.A.P. and Guimaraes Dias, M.A.: *Albacora: A Deepwater Giant Field Development,* (Tech. Paper SPE 21147) LAP

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De Souza, M.J. and Marcotte, Denis: *In-Situ Geostatistical Oil Reserve Estimation, Zone 2 of Carmopolis Oil Field, Brazil,* (Tech. Paper SPE 21616) USMS

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DeBree, Cornelius *et al.*: *Rock/Fluid Interactions of Carbonated Brines in a Sandstone Reservoir: Pembina Cardium, Alberta, Canada,* (Tech. Paper SPE 19392) *SPEFE* Dec. 90, 399–405

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Dean, R.H. *et al.*: *Sensitivity to Gridding of Miscible Flood Predictions Made With Upstream Differenced Simulators,* (Tech. Paper SPE 20178) EOR

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Haor, Moise *et al.*: *DIANA: An Expert System for Fault Diagnosis in Gas Compression Plants,* (Tech. Paper SPE 20335) PCC

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Hayatdavoudi, A. *et al.*: *Characterization of Formation Damage in Heavy Oil Formation During Steam Injection,* (Tech. Paper SPE 19417) FD

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Hazen, G.A. *et al.*: *A New Resistivity Measurement System for Deep Formation Imaging and High Resolution Formation Evaluation,* (Tech. Paper SPE 20559) FALL

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Medlin, W.L. and Alhilali, K.A.: *Shear Wave Porosity Logging in Sands,* (Tech. Paper SPE 20558) FALL

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Meijers, J.M.J. *et al.*: *Risk Management and Risky Management: Insurance as a Last Resort,* (Tech. Paper SPE 20936) EUR

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Morel, Danielle *et al.*: *Diffusion Effects in Gas-flooded Light-Oil Fractured Reservoirs,* (Tech. Paper SPE 20516) FALL

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Morita, Noburo *et al.*: *3D Well Model Preprocessors for a Reservoir Simulation With Horizontal and Curved Inclined Wells,* (Tech. Paper SPE 20718) FALL

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Muellenberg, Lorrey *et al.*: *A Production Optimization System for Western Prudhoe Bay Field, Alaska*, (Tech. Paper SPE 20653) FALL

Mueller, D.T. *et al.*: *The Determination of the Static and Dynamic Properties of Nitrified Cements*, (Tech. Paper SPE 20116) OGR

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Myer, L.R. *et al.*: *Investigation of Stress-Induced Borehole Enlargement Mechanisms by a Liquid Metal Saturation Technique*, (Tech. Paper SPE 21519) USMS

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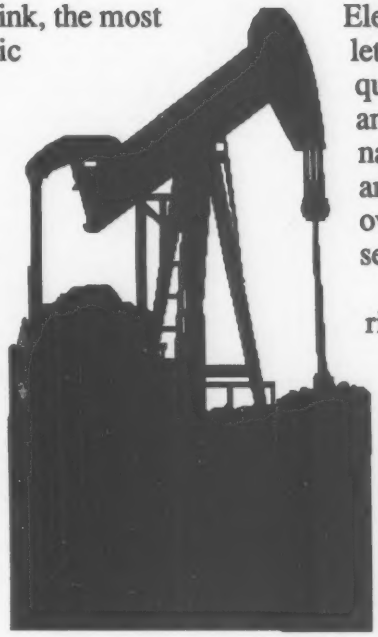

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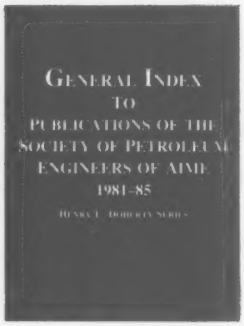

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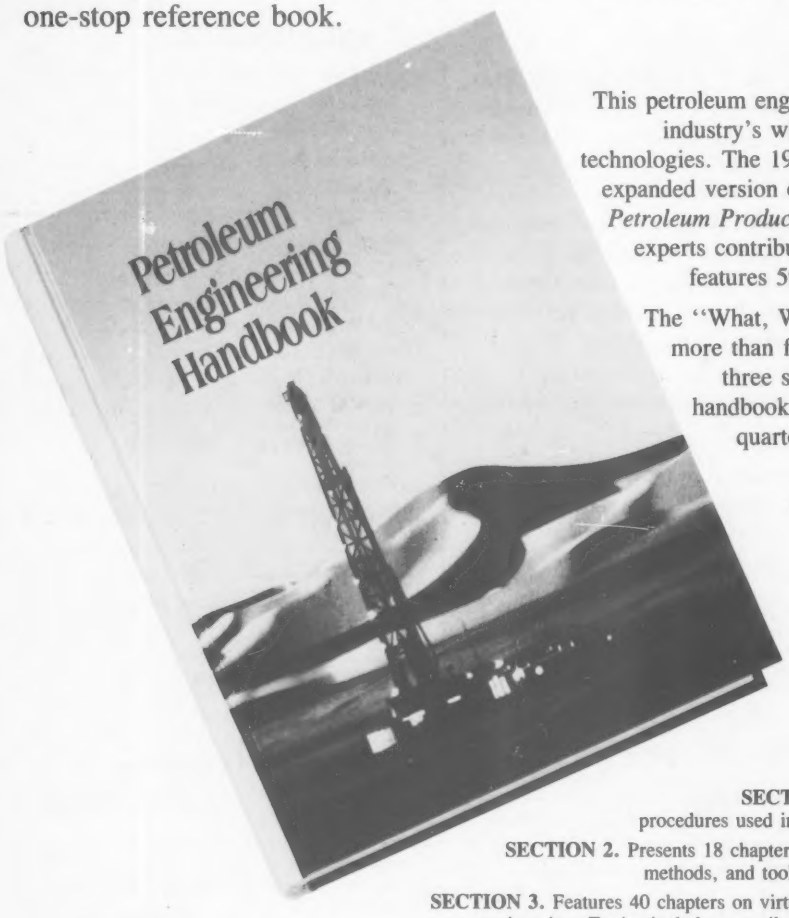

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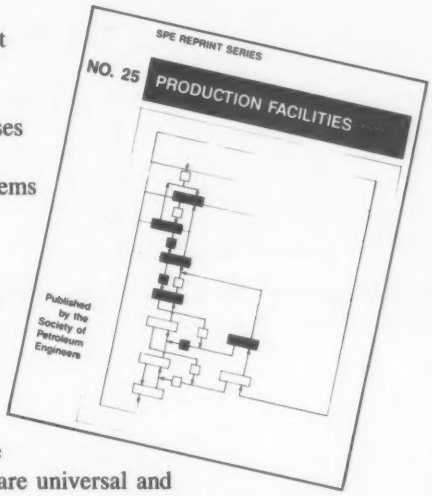

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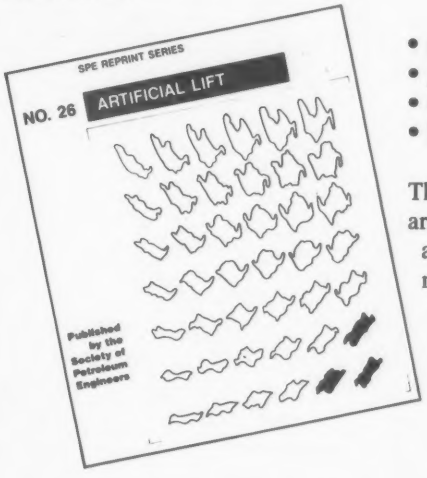

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50	SPE Pen and Pencil Set and "50" Member Pin
75	Engraved Globe Paperweight and "75" Member Pin
100	Century Club Membership—Engraved Plaque and "100" Member Pin, plus complimentary life membership in SPE and special recognition.

Five good names that mean leadership in services, technology, and safety. With one good name in common.

When you go looking for great oilfield services and products, look for one of the Schlumberger companies. You'll find a strong family resemblance.

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Our good name and worldwide reputation for delivering value are part of every one of the Schlumberger companies:

Anadrill Measurement-while-drilling, horizontal and conventional directional drilling, surface logging, drilling and fishing tools and services.

Dowell Schlumberger Oilfield pumping services—cementing, stimulation, sand control, and coiled tubing.

GECO Seismic acquisition and processing services. Exclusive Data Services* workstations.

Schlumberger Wireline and Testing Well logging, testing, completion, and production services.

Sedco Forex Contract drilling services.

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